

AMENDMENTS TO THE CLAIMS

Please amend claims 1 and 14 as provided below:

1. (currently amended) A wire feeder including a motor driving a set of feed rolls to force a welding wire from a spool through a welding torch to a welding operation, said wire feeder having an input lead to be connected to the output terminal of a remotely located power source having an on condition and an off condition where a welding current is directed to said output terminal only when said source is in said on condition, a weld starting trigger with a weld start position located adjacent said torch to close a switch when said trigger is shifted to the weld start position, a circuit coupled to said switch to sense when said switch is closed, and a transmitter on said wire feeder, said transmitter being coupled to said circuit and being operable to transmit a starting signal to said power source when said ~~trigger~~ switch is closed whereby said power source is shifted to its on condition when said trigger is in said weld start position.

2. (original) A wire feeder as defined in claim 1 wherein said transmitter is an RF signal generator.

3. (original) A wire feeder as defined in claim 1 wherein said transmitter creates a signal transmitted to said power source through said input lead to said output terminal of said power source.

4. (original) A wire feeder as defined in claim 3 wherein said wire feeder has a voltage select device for manual adjustment to a condition corresponding to a desired arc voltage.

5. (original) A wire feeder as defined in claim 4 including a circuit to convert said condition to a voltage level signal and a transmitter on said wire feeder to transmit said voltage level signal to said power source whereby said power source is set to said desired voltage.

6. (original) A wire feeder as defined in claim 2 wherein said wire feeder has a voltage select device for manual adjustment to a condition corresponding to a desired arc voltage.

7. (original) A wire feeder as defined in claim 6 including a circuit to convert said condition to a voltage level signal and a transmitter on said wire feeder to transmit said voltage level signal to said power source whereby said power source is set to said desired voltage.

8. (original) A wire feeder as defined in claim 1 wherein said wire feeder has a voltage select device for manual adjustment to a condition corresponding to a desired arc voltage.

9. (original) A wire feeder as defined in claim 8 including a circuit to convert said condition to a voltage level signal and a transmitter on said wire feeder to transmit said voltage level signal to said power source whereby said power source is set to said desired voltage.

10. (original) A wire feeder as defined in claim 8 including a speed control device for controlling arc current.

11. (original) A wire feeder as defined in claim 3 including a speed control device for controlling arc current.

12. (original) A wire feeder as defined in claim 2 including a speed control device for controlling arc current.

13. (original) A wire feeder as defined in claim 1 including a speed control device for controlling arc current.

14. (currently amended) A method for turning on a power source of an electric arc welder including a remotely located wire feeder connected to said power source by a power cable, said method comprising:

(a) starting the welding cycle of a welding process for said welder by shifting a weld starting trigger of the wire feeder to a weld start position to close a switch;

(b) sensing said starting by sensing when said switch is closed using a sensor circuit in the wire feeder;

(c) transmitting a signal from said wire feeder to said power source when said starting is sensed; and,

(d) starting said power source upon receipt of said signal to direct power to said wire feeder by said cable.

15. (original) A method as defined in claim 14 wherein said transmitted signal is RF.

16. (original) A method as defined in claim 14 wherein said transmitted signal is by way of said cable.